



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COOKEVILLE ENVIRONMENTAL FIELD OFFICE
DIVISION OF WATER RESOURCES
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The Honorable Willie P. Kerr
Mayor City of Celina
P.O. Box 449
Celina, TN 38551

August 30, 2016

**RE: Diagnostic Inspection (CEI), City of Celina Wastewater Treatment Plant;
NPDES TN0063886, Permit Expiration April 4, 2019**

Dear Mayor Kerr:

Division of Water Resources staff wishes to thank you, Mr. Jason Hamilton, Mr. Brian Burchett and Mr. Gary Plumlee for your generous time and courtesy during the recent Diagnostic Inspection (DI) on August 18, 2016, at the City of Celina Wastewater Treatment Facility in Clay County.

Permit

The current NPDES permit became effective on June 1, 2016 and will expire on April 4, 2019.

Facility Site Review

The facility's grit removal machinery (headworks) was discussed at length and is considered to be the primary reason for this Diagnostic Inspection. Currently contract work on the headworks has not been completed. This portion of the wastewater plant is an integral component and provides for the removal of materials that could impair operation of the first pond. Additionally, the treatment plant's flow meters are in need of repair.

Operations and Maintenance

Celina STP staff has communicated with the State of Tennessee regarding the need for the completion of the headworks machinery. Staff has recently met with staff from the construction contractor to demonstrate the inoperable grit removal system at the headworks. The inoperable headworks has been an ongoing problem for several months. The initial installation of the screw device was problematic.

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Summary

Contractual work on the headworks has not been completed. Repairs to the grit removal machinery and to the flow meter instrumentation are needed. These machines and instruments are required within the NPDES permit.

Recommendations

- ✓ Prioritize the completion of the headwork's grit removal machinery and the repair of flow measurement instruments.
- ✓ Please contact this office in writing with scheduled maintenance activities for the repair of the treatment plant's headworks.

The Division of Water Resources would again like to thank you, Mr. Jason Hamilton, Mr. Brian Burchett, and Mr. Gary Plumlee for their time and courtesy during this inspection.

If you have any questions, you may contact Oakley Hall in Cookeville by way of telephone at (931) 432-7635 or toll free at 1-(888)-891-8332. You may also use electronic mail at: Oakley.Hall@tn.gov.

Sincerely,



Johnny K. Walker
Environmental Program Manager III
Division of Water Resources
Cookeville Environmental Field Office

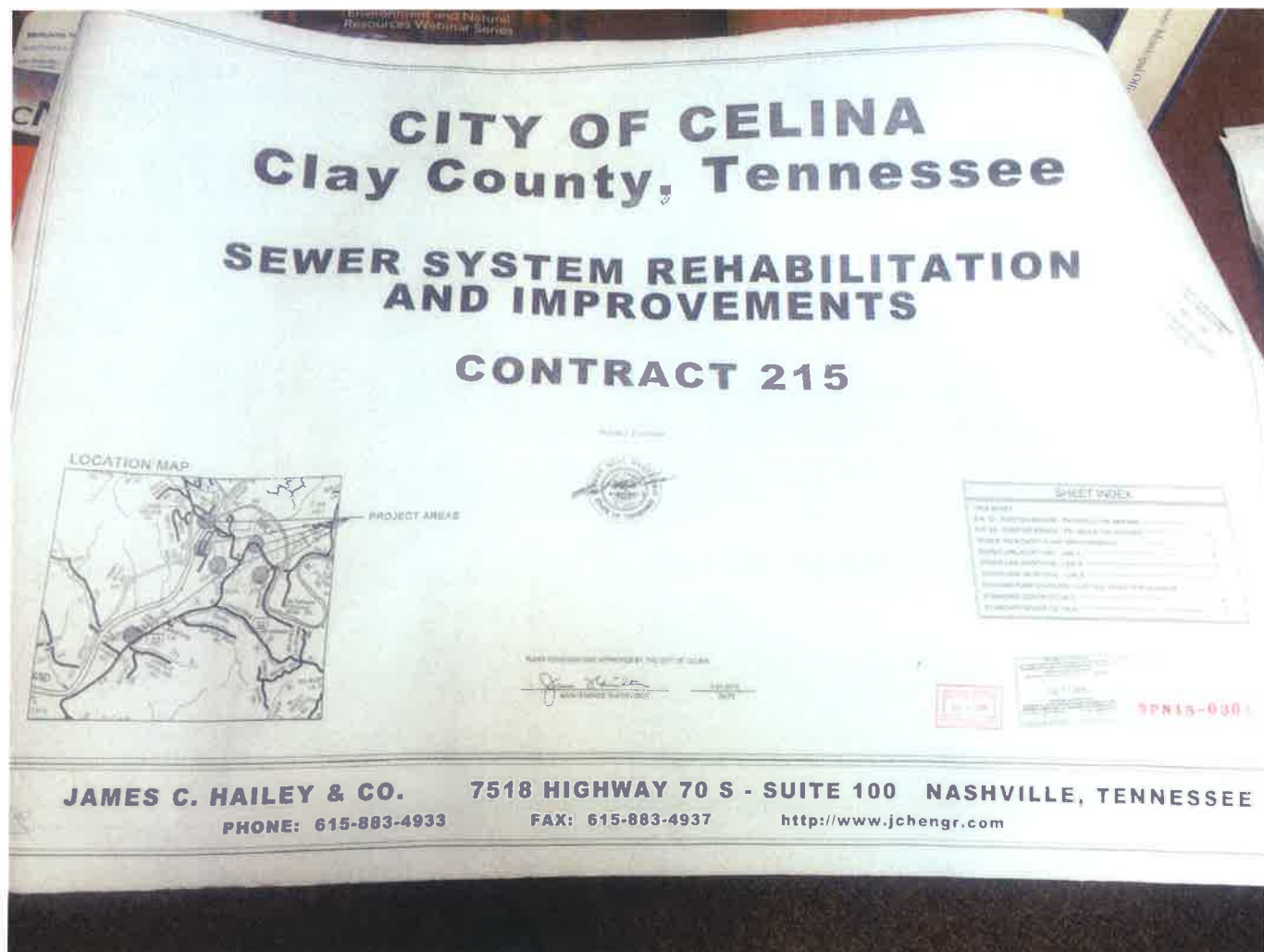
Enclosure: Photo Sheet; Water Compliance Inspection Report

cc: EFO-CK, Clay County DWR Files: TN0021393; Mr. Spencer Smith, Cleary Construction, Inc.



Environment &
Conservation

Diagnostic Inspection: Celina STP, Clay County, Photos By: Oakley Hall, July 15th and 18th, 2016.



The Celina Sewer System Improvement plans, Contract 215.

Diagnostic Inspection: Celina STP, Clay County, Photos By: Oakley Hall, July 15th and 18th, 2016.



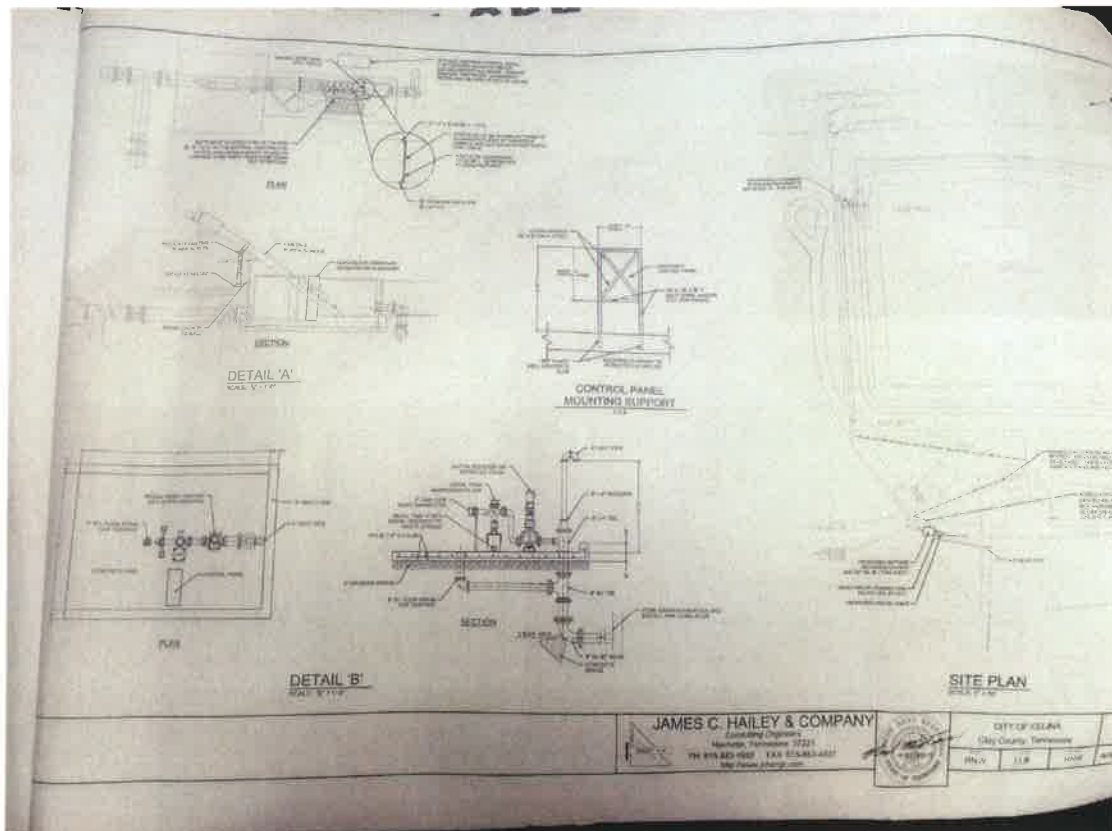
Headworks with existing screw screen, non-operational.



The screw screen was partially removed for contract repairs, (12/2015). It does not appear that the repairs have been completed. Corrected repairs to the concrete channel could not be determined.



The channel does not appear to be altered. The work appears incomplete.



Plans for the screw screen repair are pictured.



A flow meter device has been received but not installed. Operators remarked that an inspector for the contracted work was not available for the duration of the work.



The transducer for the Osh-Kosh Pump Station (Hwy 53) has been recently received but not installed.



Hwy 53 Pump Station (Osh-Kosh) newly installed electrical box. The float transducer is not in place.



The two inch vents do not appear to be installed (as specified in the plans) on the old electrical box at the Hwy 53 (Osh-Kosh) pump station.